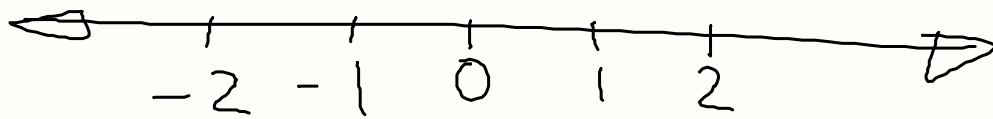


INEQUALITIES



$<$

LESS

\leq

LESS AND EQUAL

$>$

GREATER

\geq

GREATER AND
EQUAL

$$4 > 3$$

$$3 < 4$$

$$4 > x$$

$$x < 4$$

$$-x > 5$$

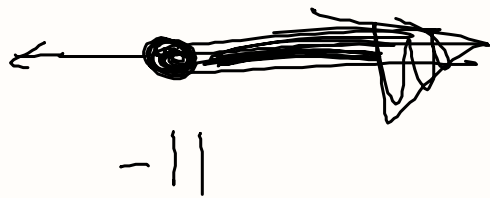
$$x < -5$$

$$x - 1$$

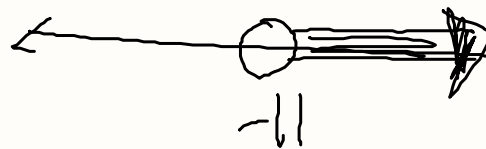
$$x - 1$$

$$\begin{array}{l} +3 > -1 \\ -1 < 3 \end{array}$$

$$x \geq -11$$



$$x > -11$$



$$7x - 4 = 3$$

$$+4 \quad +4$$

$$7x = 7$$

$$\frac{7}{7} \quad \frac{7}{7}$$

$$\underline{x = 1}$$

$$7x - 4 > 3$$

$$+4 \quad +4$$

$$7x > 7$$

$$\frac{7}{7} \quad \frac{7}{7}$$

$$\underline{x > 1}$$

$$-\frac{1}{2}x + 1 \geq 5$$

$$-1 \quad -1$$

$$(-2) - \frac{1}{2}x \geq 4 \quad (-2)$$

$$x \leq -8$$

Alg. 2 HOLT Ex. 4 p. 57

$$2x + 1 \geq 3 \quad \text{AND} \quad 3x - 4 \leq 17$$

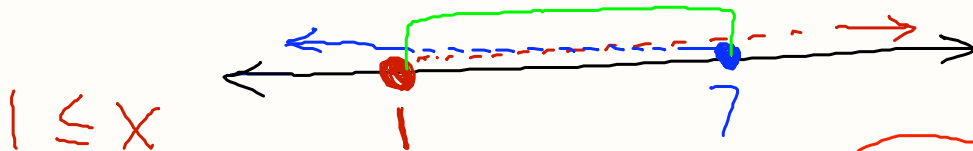
$-1 \quad -1 \qquad \qquad \qquad +4 \quad +4$

$$\frac{2x}{2} \geq \frac{2}{2}$$

$$\underline{x \geq 1}$$

$$\frac{3x}{3} \leq \frac{21}{3}$$

$$\underline{x \leq 7}$$



$$1 \leq x$$

$$\underline{1 \leq x \leq 7}$$

HOM E p. 59
Alg. 2 HOLT # 56, 60, 68

#54 p.59

$$S+7 > 4 \quad \text{AND} \quad S-2 < 2$$
$$\quad -7 \quad -7 \quad \quad +2 \quad +2$$

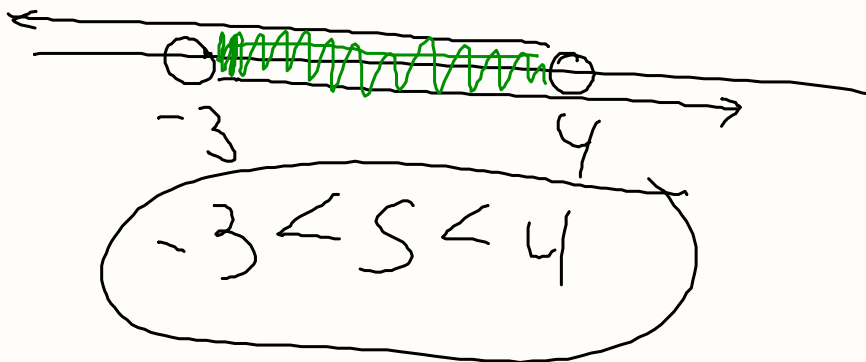
$$S > -3$$

$$S < 4$$

$$X+7 > 4$$

AND

$$X-2 < 2$$



$$3x - 6 < 12 \quad \text{AND} \quad 1 - 2x \leq 17$$

$$+6 \quad +6$$

$$-1$$

$$-1$$

$$\frac{3x}{3} < \frac{18}{3}$$

$$\frac{-2x}{-2} \leq \frac{16}{-2}$$

$$x \geq -8$$

$$x < 6 \quad \text{AND}$$

